

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

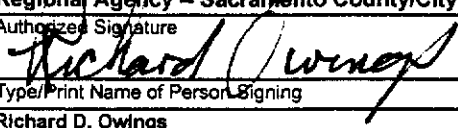
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☒ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☐ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
All respondents must complete this section.			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name Regional Agency - Sacramento County/City of Citrus		County Sacramento	
Authorized Signature 		Title Division Chief	
Type/Print Name of Person Signing Richard D. Owings	Date 8/30/01	Phone () Include Area Code 916-875-4542	
Person Completing This Form (please print or type) Douglas Kobold		Title Solid Waste Planner	
Affiliation:	Sacramento County, Department of Waste Management and Recycling		
Mailing Address 9850 Goethe Road	City Sacramento	State CA	ZIP Code 95827-3561
E-Mail Address koboldd@saccounty.net			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:

1990

2. Proposed new generation-based study year:

2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

Since the 1996 Annual Report, the Regional Agency has each year conducted a comprehensive assessment of total waste disposed and diverted. This Assessment is based on locally required quarterly reporting by permitted haulers & solid waste facilities, annual surveys of independent recyclers, and staff-conducted surveys of specific diversion activities.

4. Enter diversion rate information below.

Diversion rate calculated using
existing base year

a. 18 %

Diversion rate calculated using
new generation-based study

b. 50 %

For existing base year
pounds/person/day based on
generation

8.16

For new generation based study
pounds/person/day based on
generation

10.24

Residential generation 49.3 % Non-Residential generation 50.7 %

Residential generation 44% % Non-Residential generation 56% %

Population existing generation-based study 632,330

Population new generation-based study 744,297

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

As part of its continued effort to achieve the State-mandated 50% diversion rate for 2000, the Regional Agency has: Completed implementation of the commingled recycling and green waste collection programs for residential generators including adding dead-end street special routes and small multi-family units to the source-separated collection programs; Significantly expanded multi-family recycling programs through phased implementation of a new recycling requirement for apartment owners and permitted waste haulers; and established a new penalty provision for permitted haulers who fail to reach locally mandated recycling requirements.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

Increase from 18.3% to 50.3% diversion is result of implementation of programs identified in 1991 Source Reduction & Recycling Element.

7. Disposal Tonnage (enter values):		330489	360078	690567
		Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwm.ca.gov/LGCentral/Forms/rytmndrq.doc)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwm.ca.gov/LGCentral/Forms/rytmndrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested. Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids (e.g., concrete, asphalt, dirt), white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at www.ciwm.ca.gov/LGCentral/Forms/Co-des/Reduce.htm	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting	2743	0.2%	green waste	700 #/family of four/year (CIWMB 1999 Diversion Study Guide)	County records of compost bin distribution at County sponsored residential backyard composting workshops
Grasscycling		0.0%			
Other Residential Source Reduction (list each program separately)					
Garage Sales	1074	0.1%	Residential	0.35 tons/garage sale/week (CIWMB 1999 Diversion Study Guide)	
Diaper Service	101	0.0%	Diaper Service	0.51 lbs/diaper (1 cup water/diaper @ 8.13 lbs/gal)	Sacramento Bee Classified Advertisements Tidde-Diaper Diaper Service
		0.0%			
		0.0%			
Subtotal, Residential Source Reduction	3819	0.3%			
Residential Recycling Activities					
Curbside Recycling	66651	4.8%	Commingled Recycling	County Collected and Contractor (South County Contract) Collected material	Original weight tickets from County owned and Contractor owned transfer stations
Buyback Centers	7571	0.5%	No. 1-7 CRV, Alum, Glass, Plastic	Department of Conservation, Division of Recycling	Database report from DOC
Drop-off Centers	0	0.0%	Combined with Buyback totals from DOC		

Board Meeting
January 14-15, 2003

Agenda Item
Attachment 20.

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific Material Type(s) (List operation when multiple materials in one box)	Specific Conversion Factor (Used if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmmb.ca.gov/LGCentral/Panels/Co des/Reduce.htm					
Other Residential Recycling (list each program separately)					
White Goods	1765	0.1%	white goods and appliance metal	County operated diversion & CFC (AB 1760 program) recovery operation	Original tickets from Kieler Landfill & North Area Transfer Station
Subtotal, Residential Recycling	76187	5.5%			
Residential Composting Activities					
Green Waste Drop-off					
Curbside Green Waste					
Christmas Tree Program	95754	6.9%	green waste Combined with Commercial Green Waste (self-haul) and Residential Green Waste Collection	County Collected and Contractor (South County Contract) Collected material	Original weight tickets from County owned and Contractor owned transfer stations and Contractor owned Composting Facility
Other Residential Composting (list each program separately)					
Subtotal, Residential Composting	95754	6.9%			
Subtotal, Residential Diversion	175853	12.6%			
Non-Residential Source Reduction Activities					
Non-Residential Waste Audits*					
Other Non-Residential Source Reduction (list each program separately)					
Thrift Stores	17843	1.3%	reused items	425.7 tons/store/year (CIWMB 1999 Diversion Study Guide)	Yellow Pages ad listings
Grasscycling	5016	0.4%	green waste	350 #/1000 sf/year (CIWMB 1999 Diversion Study Guide)	County parks and golf courses
Subtotal, Non-Residential Source Reduction	22859	1.6%			

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (If any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at www.ciwrmb.ca.gov/LGCentral/Pans/Co-des/Reduce.htm					
Recycling					
Non-Residential Waste Audits*				See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Permitted Waste Hauler Diversion					Quarterly reporting by permitted haulers describing material types and quantities diverted. Verified through periodic diversion audits, including representative of County auditor's office.
Facility Self-Haul Waste Diversion (Private)	104299	7.5%	green waste, wood waste, alum., glass, plastic, fibers, tires, sheet rock	SWA Ordinance No. 2 - Requiring permitted haulers to divert at least 30% of waste collected.	Quarterly reporting diversion by facility operators.
Facility Self-Haul Waste Diversion (County)	128918	9.3%	green waste, wood waste, alum., glass, plastic, fibers, tires, sheet rock	SWA Resolution 96-01 - Requires solid waste facilities to divert at least 30% of the self-haul waste received.	Original outbound tickets for transfer stations and landfill.
Recycling Facilities	19388	1.4%	wood waste, tires	SWA Resolution 96-01 - Requires solid waste facilities to divert at least 30% of the self-haul waste received.	Original reports of tonnage and material type.
Mill - Direct Marketing	133868	9.6%	green waste, wood waste, alum., glass, plastic, fibers, tires, sheet rock	SWA Ordinance No. 2 - Requires independent recycler to report diversion on a semi-annual basis.	Original reports of tonnage and material type.
	40119	2.9%	fibers, food waste (produce), plastic, bone & fat rendering, other	Tonnage as reported by businesses responding to survey. Businesses sending materials directly to market outside county or overseas.	Original reports of tonnage and material type.
Subtotal Non-Residential Recycling	426592	30.7%			
Non-Residential Composting					
Activities					
Non-Residential Waste Audits*				See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Subtotal Non-Residential Composting	0	0.0%			
Subtotal Non-Residential Diversion	449451	32.3%			
Residential/Non-Residential Diversion Activities					
ADC				County operated diversion operation of approved ADC materials at landfill	Original tickets from Klefer Landfill
Sludge	8561	0.6%	shredded tires ADC, green waste ADC		
Scrap Metal				Tonnage as reported by permitted haulers under Ordinance No. 2 (post-1990 SWA program) and metal recycling facilities using pre-1990 growth conversion factor. Adjustment factor of 15.74% (based on population growth) used to determine difference between 1990 diversion tonnage and new reporting year tonnage. Only growth portion claimed as diversion - 12,753 tons of growth claimed compared to 77,315 actual tons surveyed (See Section 10 and Metals Adjustment Method attachment).	Quarterly reporting by permitted haulers describing material types and quantities diverted. Verified through periodic diversion audits, including representative of County auditor's office. Growth factor of 15.5% used for pre-1990 metal recovery based on original reports of tonnage by recyclers.
	12753	0.9%	mixed metal materials		

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor (used if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwnb.ca.gov/LGCentral/Pans/Co-des/Reduce.htm					
Construction and Demolition					
Landfill Salvage	51451	3.7%	concrete, asphalt, tile, dirt/soil	Inerts from drop-box/C&D trade (concrete, asphalt, tile, dirt/soil) diversion from post-1990 SWA Ordinance No. 2 and Resolution 96-01: permitted waste haulers, private disposal facilities (self-haul), and private recycling facilities. Pre-1990 County diversion program (reuse of self-haul inerts for on-site construction at landfill). County contracted diversion operation of reusable items at landfill and transfer station.	Quarterly reporting by permitted haulers describing material types and quantities diverted. Verified through periodic diversion audits, including representative of County auditor's office.
Subtotal Residential/Non-Residential Diversion	1692	0.1%	reusable or resalable items		Original outbound tickets from contractor operation.
Total Res/Non-Res Source Reduction Tons	74457	5.4%			
Total Diversion Tons	28778	1.9%			
Total Disposal Tons from Sec. 7	699768	50.3%			
Total Generation Tons (Div+Dis)	699567	49.7%			
Diversion Rate	4390334				
	50%				

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Table will perform all addition calculations).

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Table will perform all addition calculations).

[illegible]

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
White Goods	County Operated White Goods Program (CFC) at NCU, TS, and LF	1996	1765
Inert Solids	SWA Ordinance No. 2 & Resolution No. 96-01 (drop-box/C&D)	1996	51451
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

(Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Scrap Metal	Scrap Metal Recycling Facilities (Private)	77,315	See Attached	12753
Pull Down for Waste Types			Alternative	Applied Growth
Pull Down for Waste Types			Method - Metal	Factor to New
Pull Down for Waste Types			Recyclers	Base Year
Pull Down for Waste Types			Growth	Tonnage
Pull Down for Waste Types			Adjustment	

ATTACH 2A
Part of the original 2A in BOWDS

Total Waste Generation - 2000 All Quarters						
Sacramento County (uninc.) and Citrus Heights (inc.)						
Diversion						
County	Permittee	Facilities	Recyclers	Reduction	Mill- Direct	Total
208,623	152,306	141,174	374,928	28,587	42,088	947,706
SUPPORT INFORMATION						
County	City/County Factor: 64.6476%			Recyclers	County Value	
Commingled	57,339			California Concrete Crushing & Recycling		
Green Waste Collection	83,332			Certified AB 2020 Centers		
Wood at Facilities	18,991			A-1 Metals Co		
Inerts at Klefer	14,612			C & C Paper Recycling		
Salvage	1,692			Federal Asset Recovery		
Appliances/Metal	1,765			Goodwill Industries		
South County Curbside	21,934					
Tires	397			Granite Construction		
ADC	8,101					
Roadbase	460					
TOTAL	208,623			208,623		
Permittee	County Value					
Advance Disposal				Mail Boxes Etc.		
ARS, Inc.				Ming's Metal Recycling		
Atlas Disposal				Pacific Coast Wastepaper		
BFI				Progressive Metals		
California Concrete Crushing				Schnitzer Steel		
Camarillo Waste Removal				Senior Gleaners		
Capitol Waste				Sims Metal America		
Central Valley Waste				Smurfit Recycling - North		
City of Sac Solid Waste Division				Smurfit Recycling - South		
Coastal Waste and Recycling				Strategic Materials		
D&D Disposal				Sunshine Padding & Foam		
Norcal of Sacramento				Sunshine Steel		
Northwest Recyclers				Super Pallet Recycling		
Recycling Industries				Total Tire Recycling		
Sierra Waste Transportation				WMC&R		
Waste Removal & Recycling				Weyerhaeuser Co.		
Western Strategic				County Dept. of Transportation		
WMI of Sacramento				SMUD		
TOTAL	152,306			TOTAL	374,928	
Facilities				Reduction		
Elder Creek Transfer				Backyard Composting	2,743	
Florin-Perkins				Business Education	19,540	
L&D				Res. Source Reduction	1,288	
Sacramento Recycling & Transfer				Grasscycling	5,016	
TOTAL	141,174			TOTAL	28,587	
Mill-Direct				Mill-Direct (Rendering)		
Albertsons				Safeway		
Allan Company				Ralph's		
American River Packaging				Raley's		
Costco				Albertson's		
Golden State Container				Modesto Tallow Company (Countywide)		
Goodwill Industries				Sacramento Rendering Company (Countywide)		
Home Depot						
House 2 Home				Sub-TOTAL	24,890	
Pacific Forest Resources Inc.						
Raley's & Bel Air						
Ralphs						
Recycled Fibers of California						
Safeway						
Sams Club						
Sutta Co.						
Walmart						
Sub-TOTAL	17,196			Mill Direct TOTAL	0	42,088